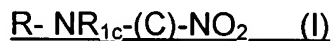
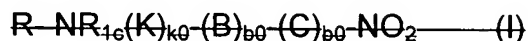


II. AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) Nitrooxyderivatives or salts thereof of ~~having the following~~ general formula (I)



wherein ~~c0 is 0 or 1;~~

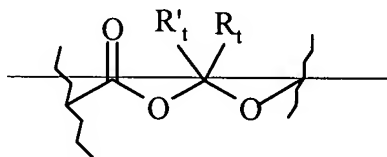
~~b0 is 0 or 1, with the proviso that c0 and b0 can not be simultaneously 0;~~

~~k0 is 0 or 1;~~

~~R is the radical of an analgesic drug for chronic pain;~~

~~R_{1c} [[, being]] is H or straight or branched alkyl with from 1 to 5 carbon atoms;~~

~~K is (CO) or the bivalent radical (1C) having the following formula:~~



(1-C)

~~wherein the carbonyl group is bound to T₁; R₁ and R_{1'}, same or different, are H, C₄-C₄₀-alkyl, phenyl or benzyl, COOR_y, in which R_y = H, C₄-C₄₀-alkyl, phenyl, benzyl;~~

~~B = T_B-X₂-T_B wherein~~

~~T_B = (CO) or X, in which X = O, S, NH;~~

~~with the proviso that:~~

~~when b0 = 1 and k0 = 0, then T_B = (CO);~~

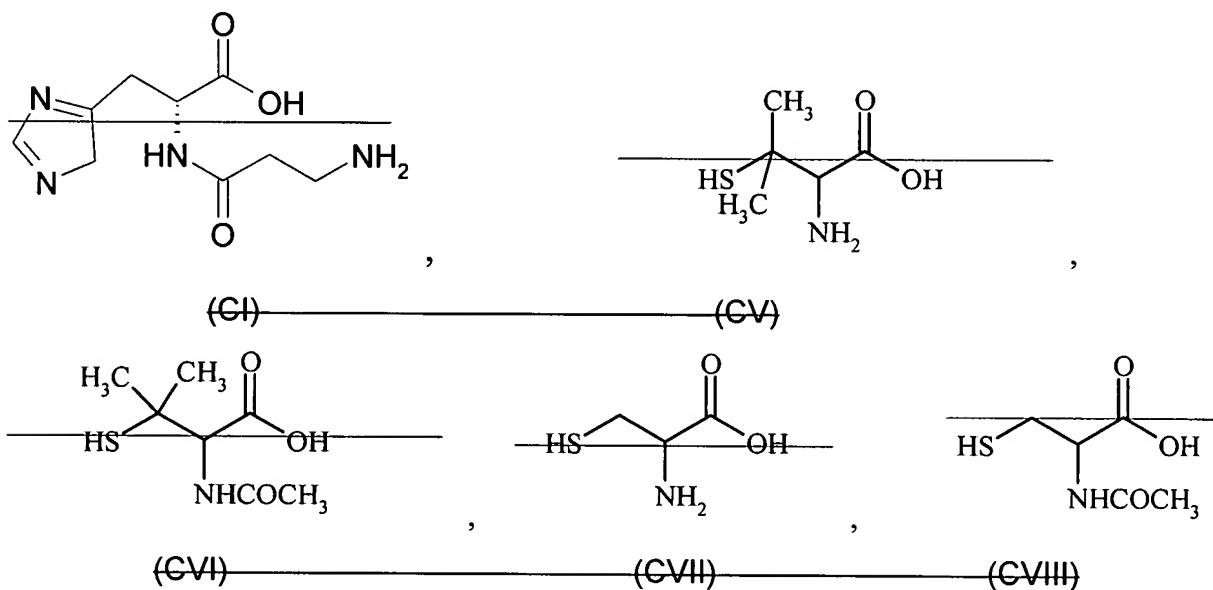
~~when b0 = 1 and k0 = 1, being K = (CO), then T_B = X as defined above;~~

$T_{B1} = (CO)$ or (X) , wherein X is as defined above;

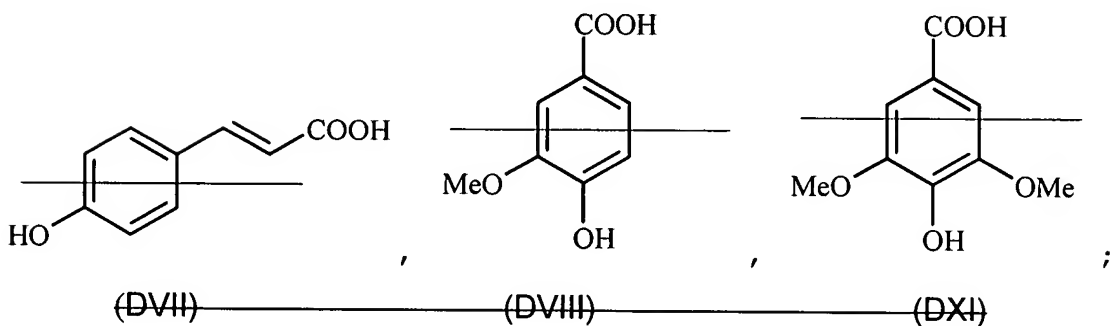
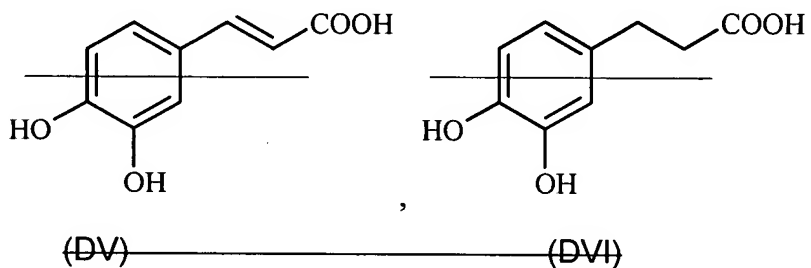
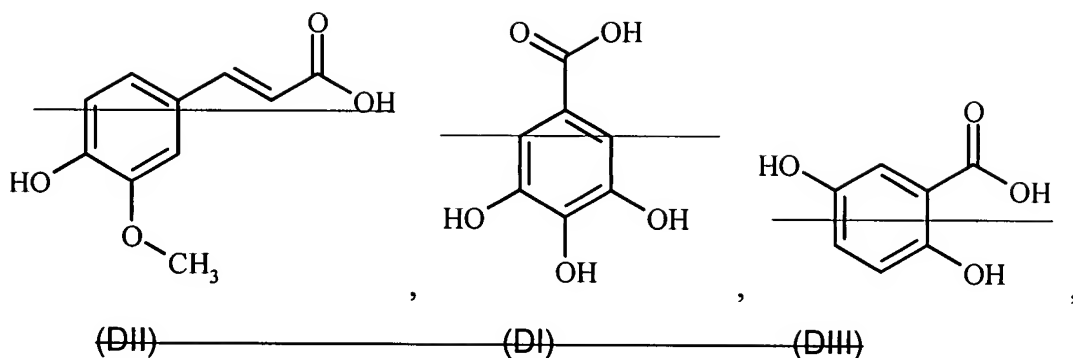
when $c0 = 0$, then $T_{B1} = -O-$;

X_2 is such a bivalent bridging group such as the corresponding precursor of B , having the formula $Z-T_B-X_2-T_{B1}-Z'$ in which Z, Z' are independently H or OH , is selected from the following compounds:

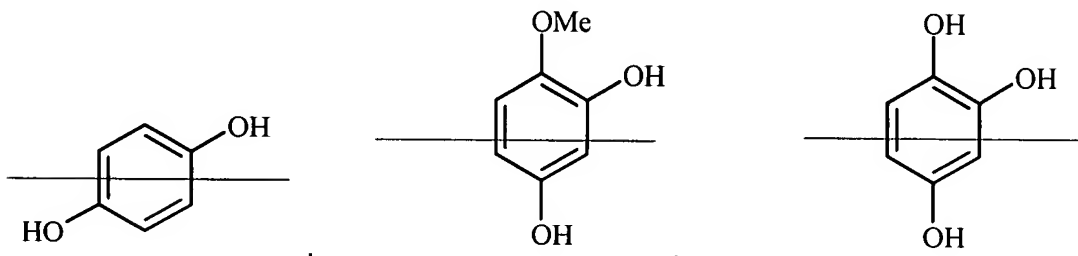
— Aminoacids: L-carnosine (CI), penicillamine (CV), N-acetylpenicillamine (CVI), cysteine (CVII), N-acetylcysteine (CVIII):

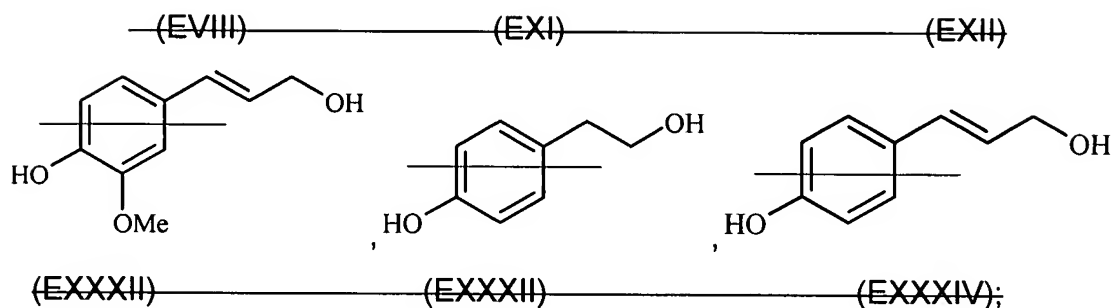


— Hydroxyacids: gallic acid (DI), ferulic acid (DII), gentisic acid (DIII), caffeic acid (DV), hydro-caffeic acid (DVI), p-coumaric acid (DVII), vanillic acid (DVIII), syringic acid (DXI):



~~aromatic polyalcohols: hydroquinone (EVIII), methoxyhydroquinone (EXI), hydroxyhydroquinone (EXII), coniferyl alcohol (EXXXII), 4 hydroxyphenetyl alcohol (EXXXIII), p-coumaric alcohol (EXXXIV):~~





C = bivalent radical having the of formula -T_c-Y

wherein

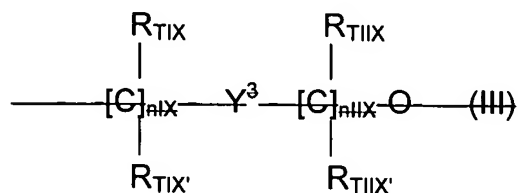
T_c = (CO) or X being as defined above;

with the proviso that when b₀ = 0 and k₀ = 1:

~~T_c = (CO) when K = (1C);~~

~~T_c = X as defined above when K = (CO); and~~

Y is has one of the following meanings:



wherein:

nIX is an integer of from 0 to 5;

nIIX is an integer of from 1 to 5;

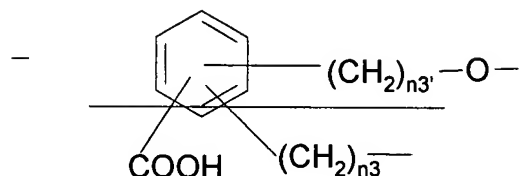
~~R_{TIX}, R_{TIX'}, R_{TII}, R_{TII'}, the same or different, are H or straight or branched C₁-C₄-alkyl;~~

~~or Y may be:~~

~~cycloalkylene with from 5 to 7 carbon atoms, or, and wherein in cycloalkylene ring one or more carbon atoms can be replaced by heteroatoms and the ring may present side chains of R' type, R' being as defined above;~~

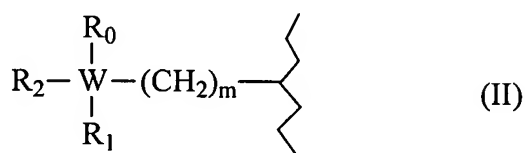
$$- \text{CH}_2 - \underset{\begin{array}{c} | \\ \text{ONO}_2 \end{array}}{\text{CH}} = \text{CH}_2 - \text{O} -]_{nf'} ; \quad - (\text{CH}_2 - \overset{|}{\underset{\begin{array}{c} | \\ \text{ONO}_2 \end{array}}{\text{CH}}} = \text{CH}_2 - \text{O})_{nf'}$$
$$\begin{array}{ccc} \text{---} \text{---} (\text{CH}=\text{CH}_2=\text{O})_{nf} \text{---} & & \text{---} (\text{CH}_2=\text{CH}=\text{O})_{nf} \text{---} \\ | & & | \\ \text{R}_{1f} & ; & \text{R}_{1f} \end{array}$$
$$\text{---}(\text{CH}_2)_{n_3}\text{---}\text{C}_6\text{H}_4\text{---}(\text{CH}_2)_{n_3}\text{---O---}$$

wherein n_3 is an integer from 0 to 5 and n_3' is an integer from 1 to 3; or



in which n_3 and n_3' have the meaning mentioned above;

R is the radical of an analgesic drug having of formula (II):



wherein:

W is a carbon or nitrogen atom;

m is 1 an integer of from 0 to 2;

$R_0 = [H,] - (CH_2)_n - COOR_y$, wherein $R_y = H, C_1-C_{10}$ -alkyl, phenyl, or benzyl being as defined above;

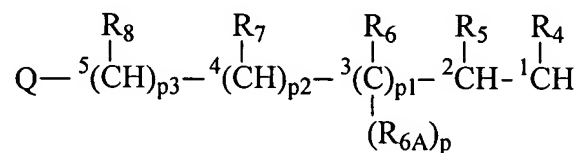
n is an integer of from 0 to 2;

$R_1 = H$; when $W = N$, R_1 is the electronic doublet on nitrogen atom (free valence);

R_2 is selected from the following groups:

- phenyl, optionally substituted with a halogen atom or with a group selected from -
OCH₃, -CF₃, nitro;
- mono or dihydroxy-substituted benzyl, preferably 3,4-dihydroxybenzyl;
- amidino group: H₂N(C=NH)-;

- a radical of formula (IIA), wherein optionally an ethylenic unsaturation may be present between the carbon atoms in position 1 and 2, or 3 and 4 or 4 and 5:



(IIA)

wherein:

p , p_1 , p_2 are integers, same or different, and are 0 or 1;

p_3 is an integer of from 0 to 10;

R_4 is hydrogen, straight or branched C_1 - C_6 -alkyl, free valence;

R_5 may have the following meanings:

- hydrogen,
- straight or branched C_1 - C_6 -alkyl,
- C_3 - C_6 -cycloalkyl, or
- OR_A , R_A having the following meanings:
 - straight or branched C_1 - C_6 -alkyl, optionally substituted with one or more halogen atoms, preferably F,
 - phenyl optionally substituted with a halogen atom or with one of the following groups: $-OCH_3$, $-CF_3$, nitro;

R₆, R_{6A}, R₇, R₈, the same or different, are H, methyl or free valence, with the proviso that when an ethylenic unsaturation is present between C₁ and C₂ in radical of formula (IIA), R₄ and R₅ are free valences able to form the double bond between C₁ and C₂; if the unsaturation is between C₃ and C₄, R₆ and R₇ are free valence able to form the double bond between C₃ and C₄; if the unsaturation is between C₄ and C₅, R₇ and R₈ are free valence able to form the double bond between C₄ and C₅;

Q is H, OH, OR_B, R_B being benzyl, straight or branched C₁-C₆-alkyl, optionally substituted with one or more halogen atoms, preferably F, phenyl optionally substituted with a halogen atom or with one of the following groups: -OCH₃, -CF₃, nitro; or

Q may have one of the following meanings:

- straight or branched C₁-C₆-alkyl,
- C₃-C₆-cycloalkyl,
- guanidino (H₂NC(=NH)NH-), or
- thioguanidino (H₂NC(=S)NH-) [[.]] .

in formula (II) R₂ with R₁ and with W = C form together a C₄-C₁₀ saturated or unsaturated ring.

2. (Canceled)

3. (Currently Amended) Compounds according to claim 1, wherein characterized in that in formula (I):

~~c0 is 1;~~

~~b0 is 0 or 1;~~

~~k0 is 0 or 1;~~

~~R_{4e} = H;~~

~~K is (CO) or the bivalent radical (1C) as defined in claim 1;~~

~~B = T_B-X₂-T_{Bl} wherein~~

~~T_B = (CO) or X, in which X = O, S, NH;~~

~~with the proviso that:~~

~~when b0 = 1 and k0 = 0, then T_B = (CO);~~

~~when b0 = 1 and k0 = 1, being K = (CO), then T_B = X as defined above;~~

~~T_{Bl} = (CO) or (X), wherein X is as defined above;~~

~~when c0 = 0, then T_{Bl} = O;~~

~~the precursor of B is N-acetylcysteine or ferulic acid;~~

~~G = bivalent radical having the formula T_e-Y~~

~~wherein~~

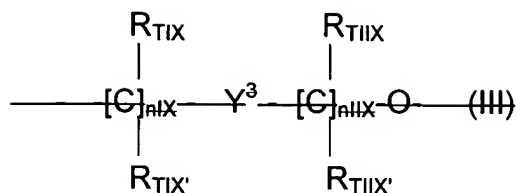
~~T_e = (CO) or X being as defined above;~~

~~with the proviso that when b0 = 0 and k0 = 1:~~

~~— T_e = (CO) when K = (1C),~~

~~- T_e = X as defined above when K = (CO); and~~

~~Y is has one of the following meanings:~~

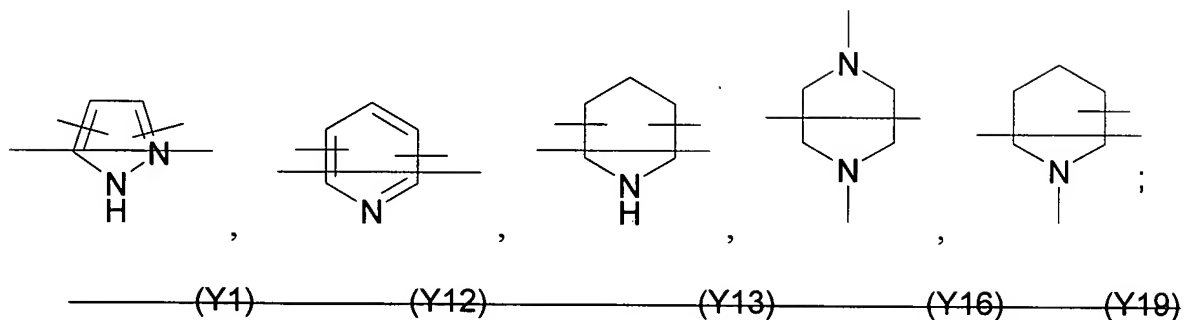


wherein:

~~nIX and nIIX are 1;~~

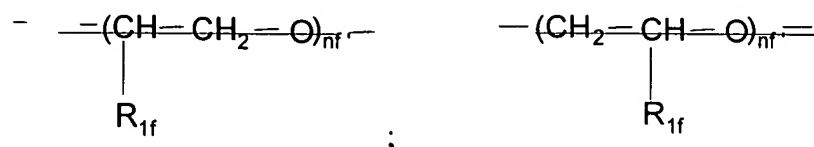
~~R_{TIX}, R_{TIX'}, R_{TIIIX}, R_{TIIIX'} are H;~~

~~Y³ is selected from the following bivalent radicals:~~

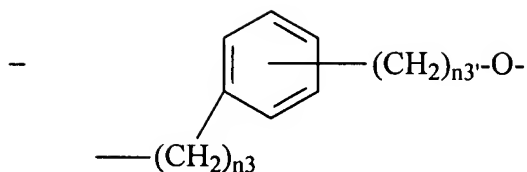


or Y may be:

an alkylenoxy group -R'O- in which R' is straight or branched C₂-C₆ alkyl; or

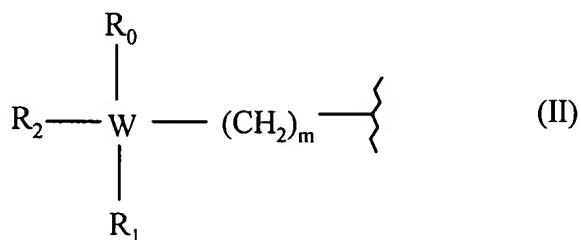


~~wherein R_{1f} = H, CH₃ and nfl is an integer from 1 to 4;~~



wherein $n3$ is an integer from 0 to 3 and $n3'$ is an integer from 1 to 3;

R is the radical of an analgesic drug [[having]] of formula (II):



wherein:

W is a carbon atom;

m is [[0 or]] 1;

$\text{R}_0 = \text{[[H or]] } \underline{-(\text{CH}_2)_n\text{-COOH}} \text{ } \underline{-(\text{CH}_2)_{n'}\text{-COOH}}$, wherein n is an integer of from 0 to 2;

$\text{R}_1 = \text{H}$;

R_2 is selected from the following groups:

- 3,4-dihydroxybenzyl; or
- a radical of formula (IIA) as defined in claim 1, wherein:

p and p_1 are 0 or 1;

p_2 and p_3 are 0;

R_4 and R_5 are hydrogen, straight or branched $\text{C}_1\text{-C}_6\text{-alkyl}$ or free valence;

R_6 and R_{6A} are H;

with the proviso that when an ethylenic unsaturation is present between C₁ and C₂ in radical of formula (IIA), R₄ and R₅ are free valences able to form the double bond between C₁ and C₂;

Q is H, CH₃ or

- guanidino (H₂NC(=NH)NH-), or
- thioguanidino (H₂NC(=S)NH-);

in formula (II) R₂ with R₁ and with W form together a C₆ saturated ring.

4. (Currently Amended) Compounds according to claim 1, wherein when in formula (II) W = C, m = 1 and R₀ = -(CH₂)_n-COOR_y, wherein n = 1 and R_y = H; R₂ and R₁ with W as defined above form the cyclohexane ring; the drug precursor of R having the formula R-NH₂ is known as gabapentin;

~~when in formula (II) W = C, m = 0 and R₀ is defined as for gabapentin with n = 0; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} = H, Q = H; the drug precursor of R having the formula R-NH₂ is known as norvaline;~~

~~when in formula (II) W = C, m = 0 and R₀ is defined as for gabapentin with n = 0; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} = H, Q is the guanidino group; the drug precursor of R having the formula R-NH₂ is known as arginine;~~

~~when in formula (II) W = C, m = 0 and R₀ is defined as for gabapentin with n = 0; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} =~~

~~H, Q is the thioguanidino group; the drug precursor of R having the formula R-NH₂ is known as thioctitrulline;~~

when in formula (II) W = C, m = 1 and R₀ is defined as for gabapentin with n = 1; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = p₂ = p₃ = 0, R₄ = H, R₅ = Q = CH₃; the drug precursor of R having the formula R-NH₂ is known as pregabalin;

when in formula (II) W = C and has (S) configuration, m = 1 and R₀ is defined as for gabapentin with n = 1; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = p₂ = p₃ = 0, R₄ = H, R₅ = Q = CH₃; the drug precursor of R having the formula R-NH₂ is known as (S)3-isobutylGABA;

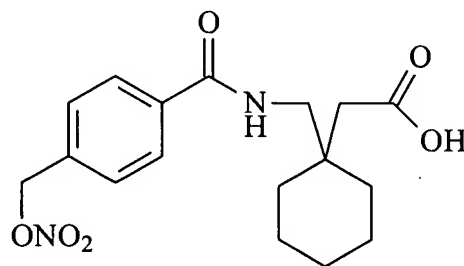
~~when in formula (II) W = C and has (S), m = 0; R₀ = R₁ = H; R₂ is the radical of formula (IIA) in which p = p₄ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} = H, Q is the guanidino group; the drug precursor of R having the formula R-NH₂ is known as agmatine;~~

~~when in formula (II) W = C, m = 0; R₀ is defined as for gabapentin with n = 2; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = p₂ = p₃ = 0, R₄ and R₅ are free valences and between C₄ and C₂ there is an ethylenic unsaturation, Q = H; the drug precursor of R having the formula R-NH₂ is known as vigabatrin;~~

~~when in formula (II) W = C, m = 0; R₀ is defined as for gabapentin with n = 0; R₁ = H; R₂ is the 3,4-dihydroxybenzyl radical; the drug precursor of R having the formula R-NH₂ is known as 2-amino-3-(3,4-dihydroxyphenyl)propanoic acid (dopa).~~

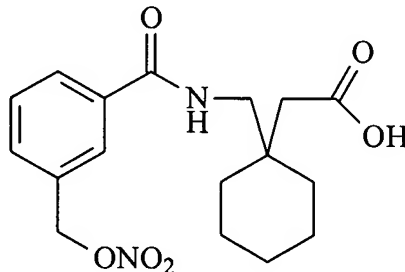
5. (Canceled)

6. (Currently Amended) Compounds according to claim 1 selected from: 1-[4-(nitrooxymethyl)benzoylaminoethyl]-cyclohexaneacetic acid (XVA),



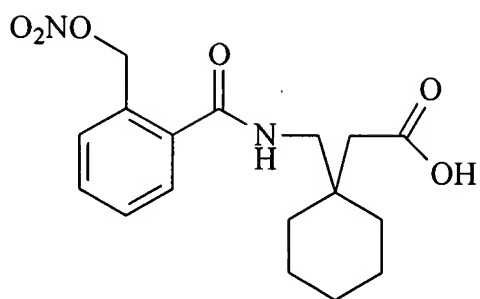
(XVA)

1-[3-(nitrooxymethyl)benzoylaminoethyl]-cyclohexaneacetic acid (XVIA),



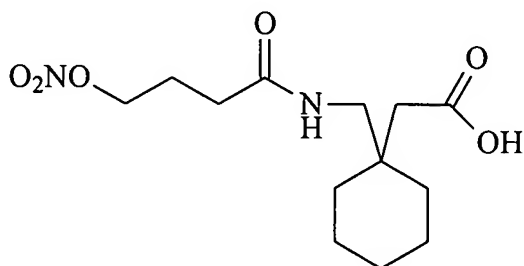
(XVIA)

1-[2-(nitrooxymethyl)benzoylaminoethyl]-cyclohexaneacetic acid (XVIIA),



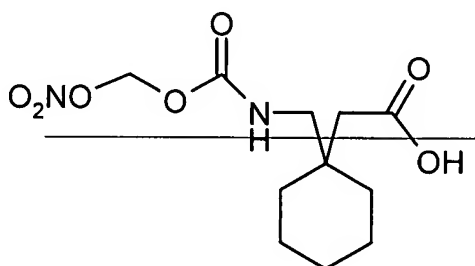
(XVIIA)

1-(4-nitrooxybutanoylaminoethyl)-cyclohexaneacetic acid (XVIII),



(XVIII)

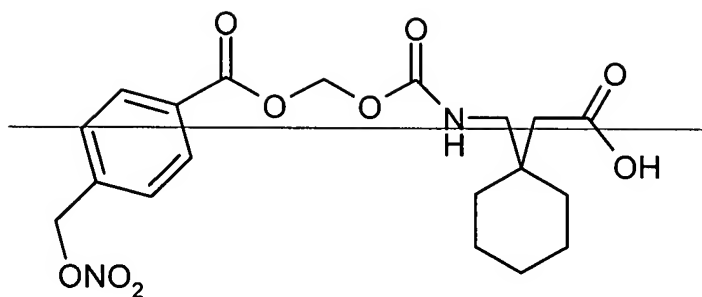
~~1-(nitrooxymethoxycarbonylaminoethyl)-cyclohexaneacetic acid (XIX),~~



(XIX)

~~1-[[4-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminoethyl]-cyclohexaneacetic acid~~

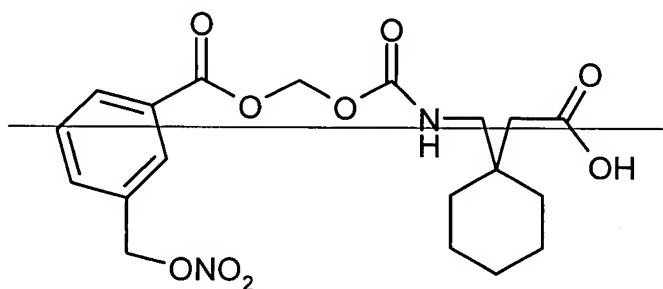
~~(XX),~~



(XXA)

~~1-[[3-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminoethyl]-cyclohexanecarboxylic acid~~

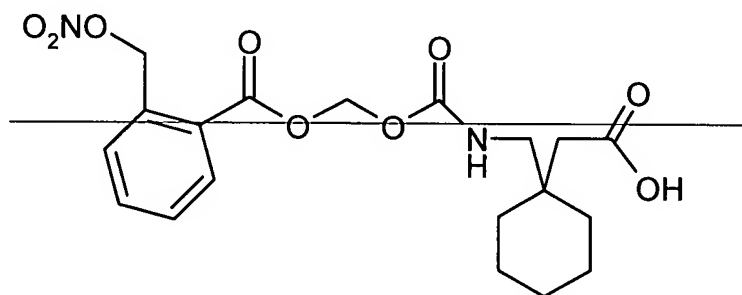
(XXIA),



(XXIA)

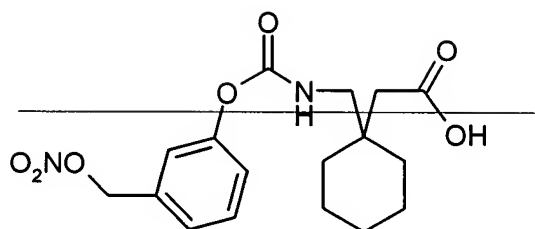
~~1-[[2-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminoethyl]-cyclohexanecarboxylic acid~~

(XXIIA),



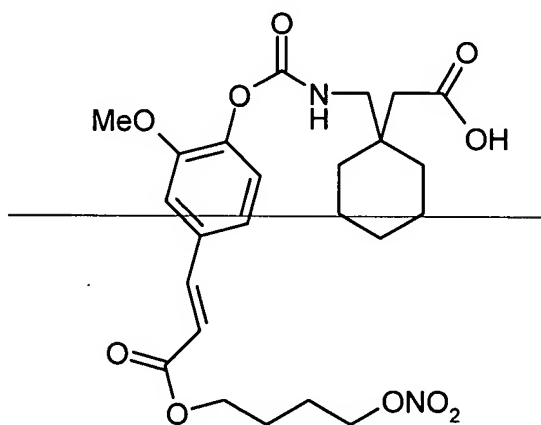
(XXIIA)

~~1-[3-(nitrooxymethyl)phenoxy]carbonylaminoethyl]-cyclohexanecarboxylic acid (XXIIIA),~~



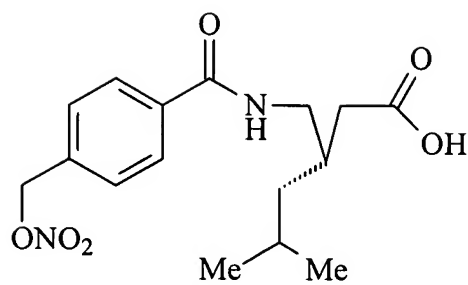
(XXIII A)

~~{2-methoxy-4-[(1E)-3-[4-(nitrooxybutoxy)-3-oxa-1-propenyl]phenoxy]-carbonylamino-methyl}-cyclohexaneacetic acid (XXIV A),~~



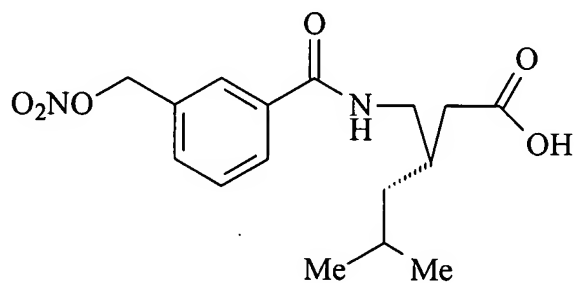
(XXIV A)

3-(S)-[4-(nitrooxymethyl)benzoylamino-methyl]-5-methyl-hexanoic acid (XXV A),



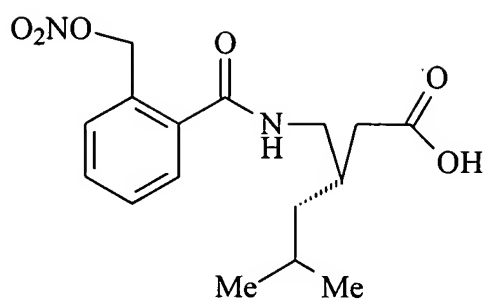
(XXVA)

3-(S)-[3-(nitrooxymethyl)benzoylamino]-5-methyl-hexanoic acid (XXVIA),



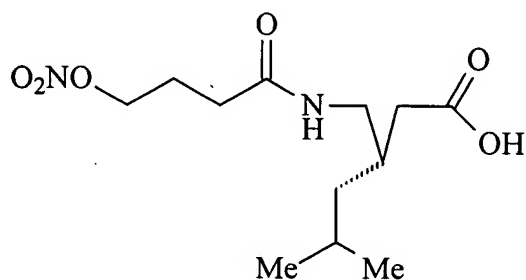
(XXVIA)

3(S)-[2-(nitrooxymethyl)benzoylamino]-5-methyl-hexanoic acid (XXVIIA),



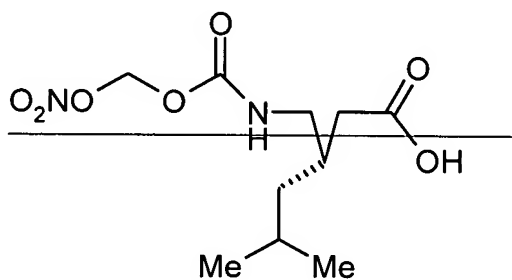
(XXVIIA)

3(S)-[4-(nitrooxybutanoyl)aminomethyl]-5-methyl-hexanoic acid (XXVIII A),



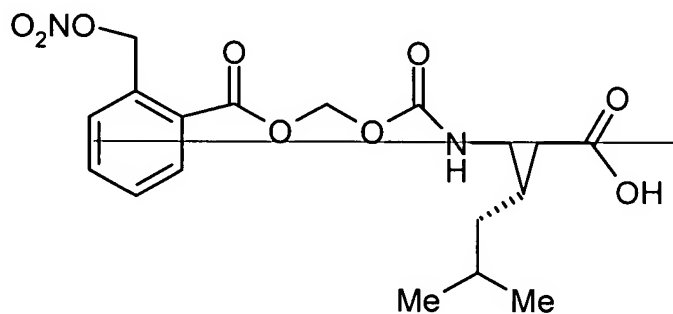
(XXVIII A)

~~(S)-[4-(nitrooxymethoxycarbonyl)aminomethyl]-5-methyl-hexanoic acid (XXIX A),~~



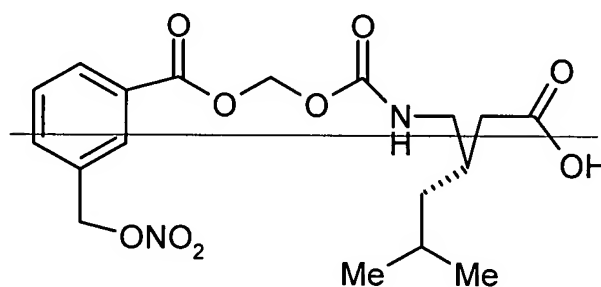
(XXIXA)

~~3(S)-[[2-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl]-5-methyl-hexanoic
acid (XXXA),~~



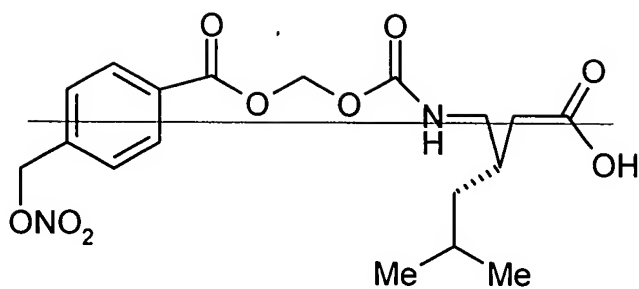
(XXXA)

~~3(S)-[[3-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl]-5-methyl-hexanoic
acid (XXXIA),~~



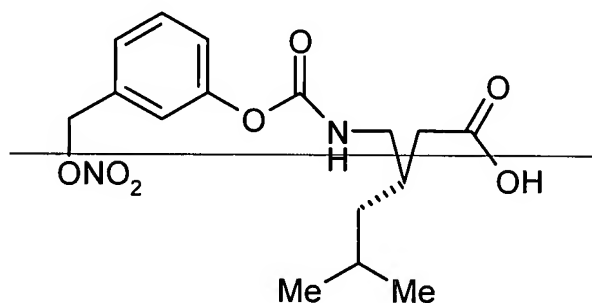
(XXXIA)

~~3(S)-[4-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl]-5-methyl-hexanoic
acid (XXXIIA),~~



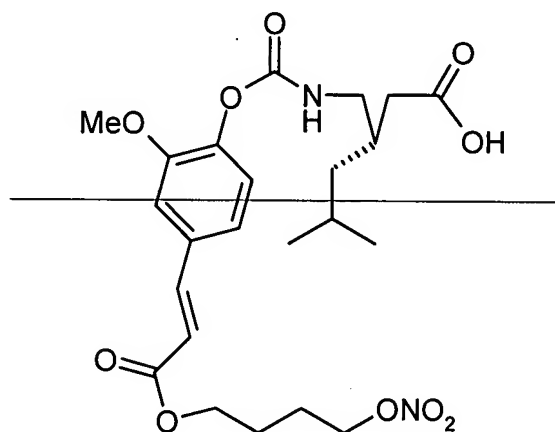
(XXXIII A)

~~3(S)-[(3-nitrooxymethyl)phenoxy]carbonylaminoethyl-5-methyl-hexanoic acid (XXXIII A),~~



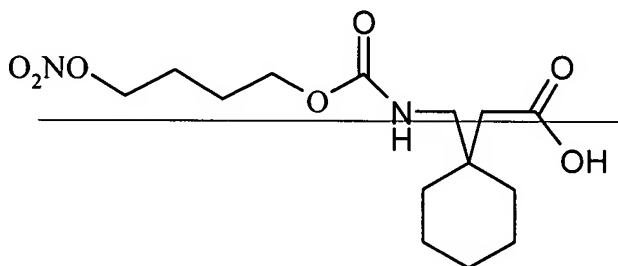
(XXXIII A)

~~3(S)-[2-methoxy-4-[(1E)-3-[4-(nitrooxybutoxy)-3-oxa-1-propenyl]phenoxy]carbonyl-aminomethyl]-5-methyl-hexanoic acid (XXXIV A),~~



(XXXIV A)

~~1-[4-(nitrooxybutyloxycarbonyl)aminomethyl]-cyclohexanecarboxylic acid (XXXVA),~~



~~(XXXVA)~~

7. (Previously Presented) Compounds according to claim 1, in combination with NO-donor compounds.

8. (Original) Compounds according to claim 7, wherein the NO-donors contain in the molecule radicals of the following drugs: aspirin, salicylic acid, ibuprofen, paracetamol, naproxen, diclofenac and flurbiprofen.

9. (Previously Presented) Pharmaceutical compositions comprising compounds according to claim 1 as active ingredients.

10. (Previously Presented) Compounds according to claim 1 to be employed as a drug.

11. (Withdrawn and Currently Amended) Use of A method of treatment of chronic pain comprising administering an effective amount of the compounds according to claim 1 for preparing drugs for chronic pain.

12. (Withdrawn and Currently Amended) ~~Use of the compounds~~ The method according to claim 11, wherein the chronic pain is neurophatic pain.